Materials Science and Engineering (MR)

Degree Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
<th>Counts towards</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Required Courses</strong></td>
<td></td>
<td>18</td>
<td></td>
</tr>
<tr>
<td>MSE/NE 409/</td>
<td>Nuclear Materials</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>MSE 509/NE 509</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MSE 440/540</td>
<td>Processing of Metallic Materials</td>
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<td></td>
</tr>
<tr>
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<td>Ceramic Processing</td>
<td>3</td>
<td></td>
</tr>
<tr>
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<td>Polymer Technology and Engineering</td>
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<tr>
<td>MSE 456/556</td>
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<tr>
<td>MSE 460/560</td>
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<td></td>
</tr>
<tr>
<td>MSE 465/565</td>
<td>Introduction to Nanomaterials</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>MSE 480/580</td>
<td>Materials Forensics and Degradation</td>
<td>3</td>
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**Total Hours** 30

This degree program also provides an opportunity for the Directors of Graduate Programs (DGPs) at NC State to recruit rising juniors in their major to their graduate programs. However, permission to pursue an ABM degree program does not guarantee admission to the Graduate School. Admission is contingent on meeting eligibility requirements at the time of entering the graduate program.

Accelerated Bachelor's/Master's Degree Requirements

Undergraduate Requirements

The following undergraduate programs meet the undergraduate requirements for the Accelerated Bachelor's / Master's (ABM):


Double-Counted Courses

After taking 12 credit hours of double-counted courses in the BS degree, only 18 hours remain for completion of either master's degree in the fifth year.

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Faculty

Adjunct Professors

Harald Ade
David E. Aspnes
Charles M. Balik
Salah M. A. Bedair
Donald Wayne Brenner
Jerome J. Cuomo
Michael David Dickey
Jan Genzer
Russell E. Gorga
Carol K. Hall
Ola Lars Anders Harrysson
Ayman I. Hawari
Douglas Lee Irving
Albena Ivanisevic
Jacob L. Jones
Jesse Jur
Carl C. Koch
Thomas H. LaBean
Harold Henry Lamb
Frances Smith Ligler
James D. Martin
Veena Misra
Korukonda Linga Murty
Jagdish Narayan
Roger Jagdish Narayan
Gregory N. Parsons
Melissa Anne Pasquinelli
Zlatko Sitar
Franky So
Richard J. Spontak
Joseph B. Tracy
Daryoosh Vashaee
Orlin Dimitrov Velev
Yaroslava G Yingling
Xiangwu Zhang
Yong Zhu
Aram Amassian
Ashley Carson Brown
Ramon R. Collazo
Rajeev Kumar Gupta
Djamel Kaoumi
Jagannadham Kasichainula
Divine Philip Kumah
Nina Wisinger
Ruijuan Xu
Timothy Joseph Horn
Kaveh Ahadi
Veronica Augustyn
Wenpei Gao
Srikanth Patala
Ge Yang
Reza A Ghiladi
John F Muth
Claude Lewis Reynolds Jr.
Hans Conrad
Robert F. Davis
Elizabeth Carol Dickey
Nadia El-Masry

John Joseph Hren
Jacqueline Krim
Gerald Lucovsky
Jon-Paul Maria
Khosrow L. Moazed
Ronald O. Scattergood
John S. Strenkowski
Yuntian T. Zhu
Cheryl Cass
Barry Farmer
Charles Richard Guarnieri
James Michael LeBeau
Tania Mikova Paskova
John T. Prater
Justin Schwartz
Victor Zhirnov

Full Professors
Martin Thuo

Bharat Gwalani
Yin Liu